

CHAPTER SEVEN

Tools and Resources

This chapter contains tools and resources that could be helpful to you. They include:

- ▶ **A Table of Joint Project Types**
- ▶ **Local Agency Documentation Review Checklist**
- ▶ **WSDOT Regional Practices Examples:**
 - Checklist for Channelization Plan Review
 - The Path to Success
 - Olympic Region Development Services Checklist
 - WSDOT Design and Construction Oversight for Local Agencies Working within WSDOT Right-of-Way offices.
- ▶ **Maps and Contacts**
 - Washington State's Metropolitan Planning Organization (MPOs)
 - Regional Transportation Planning Organizations (RTPOs)
- ▶ **More Great Resources**
 - *Example:* Local Agency Environmental Classification Summary
 - Visit our website to download a copy of the publication *Tips for Writing Grant Proposals*—from the Department of Community, Trade and Economic Development.
www.wsdot.wa.gov/T2



photo Timothy Moore

▲ Bridges such as this one in downtown Tacoma on SR 509 create civic legacies and become community symbols.



Joint Project Types

Project Partnerships by Type

Note: Joint funding of projects can be a complicated arrangement. Funding sources often come with restrictions on the use of the funds, environmental process requirements, applicable standards and approvals, and project timing. All of these issues need to be understood by the project partners to manage a joint project.

Project Type	Project Description	Project Examples	Process	Design Guidelines	Project Initiation
Interstate–Limited Access Facilities	<p>Projects within the right-of-way of a full limited access Interstate facility.</p> <p>Projects may also occur within the limited access right-of-way limit line and include modifications to a ramp terminal or intersection with a city street.</p>	HOV Direct Access Interchanges and new or revised freeway access. Project partners are cities, counties, and transit agencies.	<p>(1) New and reconstruction projects such as HOV Direct Access: WSDOT design policy with WSDOT Headquarters concurrence and FHWA-Division approval for all design within the Interstate right-of-way, then with NEPA documentation. For all new access interchanges, FHWA, DC, approval;</p> <p>(2) all other type projects such as modification of a ramp terminal: WSDOT design policy and WSDOT Region approval working with FHWA for all design within the Interstate right-of-way.</p>	<p>WSDOT <i>Design Manual</i> applies to all highways within limited access that will remain under WSDOT's jurisdiction. City or county standards (LAG/AASHTO) may apply to those areas that will be ultimately under the jurisdiction of the city or county and are outside of limited access.</p> <p>Deviations from WSDOT <i>Design Manual</i> on new and reconstruction projects are approved by FHWA.</p> <p>Deviations from city or county standards are approved by WSDOT's Highway and Local Programs Division.</p> <p>Access approval by FHWA.</p>	Typically through regional planning process. WSDOT contact determined at the region.

Project Type	Project Description	Project Examples	Process	Design Guidelines	Project Initiation
Non-Interstate Highways– Limited Access Facilities	<p>Projects may occur within the right-of-way of a limited access facility that is a state highway, but non-interstate. If federal funds are involved or anticipated, the environmental and right-of-way process must follow the federal rules.</p> <p>Project may occur within the limited access right-of-way limit line and include modifications to a ramp terminal or intersection of a city street intersection.</p>	<p>Interchange modifications, added capacity, grade separation for railroad crossings, or modification on city streets at ramp terminals.</p> <p>Project Partners are cities, counties, transit agencies, and sometimes railroads.</p>	<p>If WSDOT is the lead agency, the federal process is usually followed with NEPA documentation.</p> <p>WSDOT design policy and WSDOT Region or Headquarters approval for all design within the state right-of-way</p>	<p>WSDOT <i>Design Manual</i> applies to all highways within limited access that will remain under WSDOT's jurisdiction. City or county standards (LAG/AASHTO) may apply to those areas that will be ultimately under the jurisdiction of the city or county and are outside of limited access.</p> <p>Deviations for NHS highways are approved by WSDOT Headquarters. Deviations for new or reconstruction projects on non-NHS highways are approved by WSDOT Headquarters Design Office.</p> <p>Deviations for all other projects on non-NHS highways are approved by WSDOT Regions. Deviations from city or county standards are approved by WSDOT's Highway and Local Programs Division.</p> <p>Access approval is by WSDOT Headquarters Design Office.</p>	<p>Initiated by WSDOT or other agency. Partnerships likely formed during funding stage.</p> <p>Typically through regional planning process. WSDOT contact determined at the region.</p>





Joint Project Types, *continued*

Project Type	Project Description	Project Examples	Process	Design Guidelines	Project Initiation
NHS State Highways within Incorporated City Limits–Non-Limited Access (Access Managed)* <i>* (for Maintenance and Operations guidelines in incorporated cities, see Memorandum “City Streets as part of State Highways” dated May 8, 1997.)</i>	<p>WSDOT or the City may lead projects on state routes in urban areas. WSDOT-initiated projects are funded through the WSDOT budget and may include other agency funding.</p>	<p>Partnerships likely formed during funding stage.</p> <p>Arterial redevelopment for safety, capacity, pedestrian and bicycle facility improvements, and urban renewal. Other examples may include a transit speed and reliability improvement projects.</p>	<p>Initiated by WSDOT or other agency. If WSDOT is the lead agency, the federal process is usually followed with NEPA documentation.</p> <p>WSDOT has approval authority for project design. If federal funds are involved or anticipated, the environmental and right-of-way process must follow the federal rules, and construction materials testing must be done by the state or local agencies with certified acceptance approval authority.</p>	<p>WSDOT <i>Design Manual</i> applies to state highways. Deviations are approved by WSDOT Headquarters Design Office.</p> <p>City design standards may apply to the area outside of curb or paved shoulder on state highways or to city streets. Deviations from city standards are approved by WSDOT’s Highway and Local Programs Division.</p> <p>Access approval is by the incorporated city.</p>	<p>Projects may be initiated by WSDOT, City, County, or regional planning organization.</p> <p>For locally initiated projects on state highways, WSDOT is invited to attend planning meetings for early coordination with local agencies.</p> <p>Contact Regional WSDOT planning office or Regional Local Programs Engineer.</p>
State Highways in Unincorporated areas and RTPOs–Non-Limited Access (Access Managed)	<p>Projects on state routes in rural areas, lead by WSDOT or county. The project is coordinated through the RTPO. Projects receive funding through the WSDOT budget. Other project partners may also provide funding.</p>	<p>Rural safety and pavement rehabilitation projects.</p>	<p>WSDOT lead on design and approvals. WSDOT usually follows the federal process, with NEPA documentation.</p>	<p>WSDOT standards apply. Deviations on NHS routes are approved by WSDOT Headquarters. Deviations for new or reconstruction projects on Non-NHS highways are approved by WSDOT Headquarters Design Office. Deviations for all other projects on Non-NHS routes are approved by WSDOT Regions.</p> <p>Access approval is by WSDOT Regions.</p>	<p>Initiated by WSDOT or other agency. Partnerships likely formed during funding stage, if joint funding, or during preliminary design and environmental documentation.</p> <p>WSDOT contact: Highways and Local Programs Engineer at the Region.</p>

Project Type	Project Description	Project Examples	Process	Design Guidelines	Project Initiation
City or County with TIB funding	Projects on City or County streets, typically arterials.	Arterial redevelopment for safety, capacity, pedestrian and bicycle facility improvements, and urban renewal. Other examples may include a transit speed and reliability improvement projects.	City leads all aspects of the project, using the TIB grant. TIB approves the grant application, bid documents, and project management. Typically SEPA documentation.	City standards apply and/or AASHTO standards.	



Local Agency Documentation Review Checklist

Appendix 53.51

Agency: _____ Date: _____
 Project Title: _____
 Federal Aid Project No.: _____ Contract No.: _____
 Reviewers: _____

LAG Ref.

13 Table of Organization and CA Agreement Review:

<u>Action</u>	<u>Approving Authority</u>
Design Approval	_____
PS&E Approval	_____
Tied Bids	_____
Contract Award	_____
Change Orders	_____

Preliminary Engineering:

43.1 Design Approved By: _____ Date: _____
 44.1 PS&E Approved By: _____ Date: _____
 44.22 Agency Supplied Materials Approved By: _____
 44.22 Sole Source Items? Yes _____ No _____
 If Yes, FHWA Approval Date: _____
 52 Changes in Scope, Limits, Character, Cost? Yes _____ No _____
 If Yes, FHWA Approval Date: _____
 44.22 Tied Bids Approved By: _____ Date: _____

Advertising and Award:

46.21 FHWA Construction Authorization Date: _____
 46.24 Advertising Dates: _____
 46.24 Three Week Advertising Period? Yes _____ No _____
 46 Affidavits of Publication in File? Yes _____ No _____
 46.25 Bid Opening Date: _____
 46.27 Award Date: _____
 46.26 Award to Lowest Bidder? Yes _____ No _____
 If Not, Explain: _____
 46.28 Contract Execution Date: _____
 46.28 Contract Award Amount: _____
 46.3 Award Information Transmitted to WSDOT? Yes _____ No _____
 52 First Working Day: _____ No. of Working Days: _____
 No. of Working Days Complete: _____
 52.2 Preconstruction Conference Minutes Review:
 Comments: _____

 Minutes Sent To: Region Local Programs Engineer? Yes _____ No _____
 Contractor? Yes _____ No _____
 All Invitees? Yes _____ No _____

Construction and Post-Construction

Appendix 53.51 Local Agency Documentation Review Checklist

LAG

Ref.

Commitment File:

44.78 Environmental and Permit Conditions Met Yes _____ No _____

65.2 Met with Maintenance and Corrected Problems Identified in PS&E Yes _____ No _____

25 Right-of-Way

Right-of-Way Commitments to Landowner Met Yes _____ No _____

Right-of-Way Acquired Yes _____ No _____

Right-of-Way Acquisition Procedures Dated: _____

Listing of Right-of-Way Staff Current Yes _____ No _____

(If No, attach new listing with individual staff qualifications)

Comments: _____

25.11 Project Right-of-Way Certification Dated: _____

25.11 Certification Review Letter in file (after 1/1/97) Yes _____ No _____

46.27 Construction Contract Administration:

46.42 ***Approval of Subcontractors:***

<u>Subcontractor</u>	<u>Amount (\$)</u>	<u>Approval Date</u>	<u>DBE/WBE?</u>
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Specialty Items Subbed: _____ Amount: \$_____

Percent of Contract Subbed: _____%

Allowable = (Contract Amount Specialty Items) 0.70 = _____

52.5 *Change Orders:*

No.	<u>Verbal</u> <u>Approval Date</u>	<u>Written</u> <u>Approval Date</u>	<u>Comments</u>	<u>Documented</u>
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Construction and Post-Construction
Appendix 53.51 Local Agency Documentation Review Checklist

LAG
Ref.

52.51 Claims by Contractor? Yes _____ No _____
 Comments: _____

52 & 53 Project Diaries and Inspector's Daily Reports Signed and Up to Date? Yes _____ No _____

Payrolls:

Wage Rates Included in Contract? Yes _____ No _____
 Payrolls on File? Yes _____ No _____
 Certified by Contractor? Yes _____ No _____
 Checked and Initialed by Agency? Yes _____ No _____

<u>Prime/Subs</u>	<u>Wage Rate</u> <u>Interview</u>	<u>Intent to</u> <u>Pay Wages</u>	<u>Affidavit</u> <u>Wages Paid</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Standard Any L&I Violations on Contract? Yes _____ No _____
 Specification If Yes, How Resolved? _____

27 EEO Compliance:

PE Right-of-Way Yes _____ No _____
 Consultant Yes _____ No _____
 Hearings (Title VI) Yes _____ No _____
 Monthly Employment Utilization Reports (820-010) on File
 for Prime and Subs (Greater Than \$100,000) Yes _____ No _____
 PR-1391 on File and Sent to Region Local Programs? Yes _____ No _____
 Comments: _____

Training:

Training Goal Set? Yes _____ No _____ Hours _____
 Training Plan Approved by Agency: Yes _____ No _____
 Training Goal Met? Yes _____ No _____ Hours _____
 Comments: _____

DBE Compliance:

26 DBE Goal Set: \$ _____
 26.2 DBE Condition of Award Amount: \$ _____
 26.2 How Was DBE Certification Verified Prior to Award? _____
 26.2 DBE On-Site Review Conducted for Each Sub? Yes _____ No _____
 52.5 Change Orders Affects on DBEs: Yes _____ No _____
 52.5 Additional Work Provided to DBEs? Yes _____ No _____
 52.5 Any Changes to DBE Goals? Yes _____ No _____
 26.2 Approved by Region Local Programs Engineer? Yes _____ No _____
 53.53 Quarterly Report of Amounts Credited as DBE Participation
 Sent to Region Local Programs Engineer? Yes _____ No _____

Construction and Post-Construction

Appendix 53.51 Local Agency Documentation Review Checklist

Bridge Construction Projects:

Bridge Rail Crash Tested Design Used? Yes _____ No _____
(New Construction Only, Any Funding Program)

Contract Completion:

52.81 Completion Date: _____

52.81 Completion Letter to Contractor Date: _____

52.83 End of Project Materials Certification From Project Engineer to Approving Authority Date: _____

WSDOT Northwest Region Checklist for Channelization Plans

General Requirements

- ☐ Use the latest updates of the WSDOT *Design Manual* and the *Manual of Uniform Traffic Control Devices* (MUTCD). Use terminology specified in the WSDOT *Standard Specifications for Road, Bridge, and Municipal Construction* and the WSDOT *Design Manual*. Use plan scale of 1" = 50'.
- ☐ Show entire roadway width with all elements listed below. On State highways, where new channelization matches with existing highway sections, show no less than 300' of the existing highway section beyond the match line(s) with all elements listed below. On intersecting roads and commercial and multi-residential driveways, show no less than 100' of the existing section beyond the match line(s) with all elements listed below.
- ☐ Show only the final channelization where widening/improvement proposed. Include stations and dimensions of all channelization features where proposed improvement ties in with existing roadway.
- ☐ Provide one full-size (22" x 34") and two half-size (11" x 17") white paper copies of the channelization plan(s). Full-size mylar is required for final approval.
- ☐ Submit Channelization-related Design Deviation(s) and/or Evaluate Upgrades requests for review and approval. Channelization Plan cannot be approved until these deviations and/or EUs are approved.

Required Elements to be included on a Channelization Plan

- ☐ Project Title with State Route Number, Begin/End Mileposts, County, Date, and Page Number in title block.
- ☐ North arrow, section, township, and range.
- ☐ Street and Highway names.
- ☐ Right-of-way lines (WSDOT, County, and/or City).
- ☐ Construction centerline bearing and 100 ft stations.
- ☐ Posted Speed, Design Speed, and Design Vehicle.
- ☐ Highway Classification and Design Matrix used.
- ☐ Channelization-related Design Deviations, Evaluate Upgrades and Design Exceptions callouts/notes.
- ☐ Curve data for each curve (curve radius, superelevation, curve and tangent lengths, delta angle, PC, PI, and PT).
- ☐ Edge of traveled way and edge of pavement lines.
- ☐ Intersecting roadways and driveways—at least 100 ft (30m) and identify business name and description.
- ☐ Angles between intersections and/or bearings of all centerlines at intersections.
- ☐ Widths of through lanes, turn lanes, and shoulders.
- ☐ Begin and end stations of right- and left-turn storage lanes (indicate recommended storage lengths in Traffic Analysis).
- ☐ Begin and end stations with offsets for all channelization tapers and stripes.
- ☐ Left- and right-turn radii for intersections and commercial and multi-residential driveways.
- ☐ Typical roadway sections showing all channelization features with dimensions (i.e., travel lanes, turn lanes, medians, shoulders, curb and gutter, bike lane, sidewalk, etc.)
- ☐ Existing and proposed raised curbing.
- ☐ Raised and painted islands; separate sketch showing detail of islands including offsets of key locations from reference lines; also indicate square footage of islands.
- ☐ Signature block for WSDOT approval.
- ☐ PE stamp/seal signed and dated.

For more information, visit our website at: www.wsdot.wa.gov/regions/northwest/designguidance/

WSDOT Northwest Region The Path to Success

Northwest Region's Commitment

- We will provide a single point of contact to work with you through this process.
- We will provide clear, consistent, and accurate review comments.
- We will provide prompt review and response.
- Typically, we will perform an initial review within **four weeks**, depending on the complexity of the project and the quality of the submittal.
- Our goal is that subsequent reviews will be accomplished in less time.
- We will maintain documentation of all decisions and agreements made during the project duration.
- We will ensure that documents that we produce have been checked for quality.
- We will ensure that our comments do not conflict with one another.
- Comments pertaining to requirements will be clearly noted and separate from those that are suggestions.
- We will make every effort to sign the Channelization Plan on either the first or second submittal. At a minimum, we will strive for providing interim approval of critical "footprint" channelization no later than following a 2nd submittal.
- We will strive to resolve and clarify inconsistent design guidance.

Our Expectation (i.e., Your Commitment)

- The project proponent will keep WSDOT's Area Coordinator informed of project schedule and include WSDOT's input on schedule commitments that involve WSDOT review.
- The project proponent will submit a completed Project Design Guidelines worksheet prior to the first Channelization Plan submittal.
- The plans will adhere to guidance contained in the Channelization Plan Checklist and will be checked for quality prior to submittal.
- All review comments will be clearly addressed, with an itemized list of changes.
- Each subsequent submittal will identify new revisions/modifications that were not included in the previous submittal.
- For local agency projects, the agency staff will be actively involved in discussions between their consultant and WSDOT.

Olympic Region Development Services Checklist

To be completed by Local Programs for any Local Agency project on State Highway Right-of-Way that involves Development Services (DS).

Local Programs Contact

Name: _____ Phone: _____ Date: _____

Project Location, Description and Local Agency Contact

SR: _____ MP: _____ Intersection: _____

Local Agency: _____ Ad Date: _____

Project Title: _____

Description of Project: _____

LA Contact: _____ Phone: _____

Local Agency permission to be on State highway right-of-way shall be by:

Local Programs Agreement: _____ DS Permit or Agreement & needed by: _____

Construction Administration shall be administered by:

Local Programs: _____ Maintenance: _____ Construction PEO: _____ (to be determined by DS)

Intersection Plan for Approval

Approved plan attached: _____ DS to pursue plan approval: _____ N/A _____

The following actions are requested from Development Services:

Full Package Submittal

_____ A Full Package review is requested. (DS to determined disciplines to be reviewed.)

OR

Modified Package Submittal

_____ A Modified Package review is requested. (DS will only review and/or request from the Local Agency the following disciplines which are checked by Local Programs Engineer.)

_____ Roadway Sections	_____ Traffic Signal Plan
_____ Site Preparation	_____ Signing Plan
_____ Drainage Plan	_____ Signal Special Provisions
_____ Drainage Supporting Calculations	_____ Traffic Control Plan
_____ TESC Plan	_____ Construction Estimate
_____ Utility Plan	_____ SPCC Plan
_____ Paving / Channelization Plan	_____ Fugitive Dust Plan
_____ Illumination Plan	_____ Other: _____

Specific to agencies working within Olympic Region only.

WSDOT Design and Construction Oversight for Local Agencies working within WSDOT Right-of-Way

Design and Construction oversight will be by Local Programs for all projects for which *Highways and Local Programs* oversees funding. (Local Programs may require the assistance of other support groups within the Region.)

Design

Review all elements within state highway right of way.

Roadway geometrics will be to WSDOT Design standards or have WSDOT approved deviations.

Construction

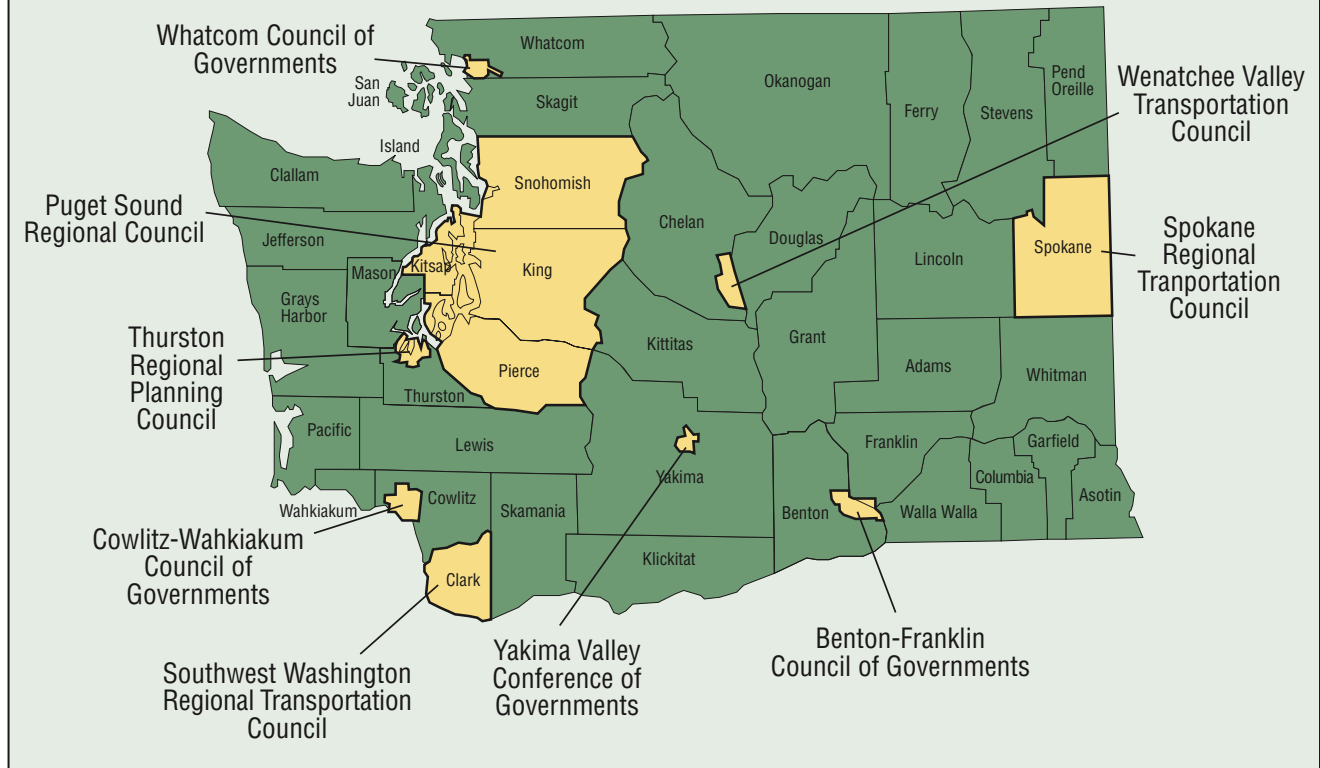
At a minimum, all projects will be reviewed to ensure that the approved design is constructed.

Inspection oversight on all elements that WSDOT has maintenance responsibilities or ownership.

If Development Services review is needed, then Local Programs will utilize the Development Services checklist to identify which services (Full package review or Modified Package review) to request from Development Services.

*Process documented by Local Programs
(Date)*

Metropolitan Planning Organizations (MPOs)



Benton Franklin Council of Governments

1622 Terminal Dr.
Richland, WA 99352
Phone: 509.943.9185
Fax: 509.943.6756
www.wa.gov/bfcog/index.html

Spokane Regional Transportation Council

221 W. First Avenue, Suite 310
Spokane, WA 99201
Phone: 509.343.6370
Fax: 509.343.6400
www.srtc.org/index.htm

Cowlitz-Wahkiakum Council of Governments

207 4th Avenue North
Kelso, WA 98626
Phone: 360.577.3041
Fax: 360.425.7760
www.cwcog.org

Thurston Regional Planning Council

2404 Heritage Court SW #B
Olympia, WA 98502
Phone: 360.786.5480
Fax: 509.684.4788
www.trpc.org

Puget Sound Regional Council

1011 Western Ave, Suite 500
Seattle WA 98104
Phone: 206.464.7090
Fax: 206.587.4825
www.psrc.org/contact.htm

Wenatchee Valley Transportation Council

300 S. Columbia Street
Wenatchee, WA 98801
Phone: 509.669.997

Southwest Washington Regional Transportation Council

1351 Officers Row
Vancouver, WA 98661
Phone: 360.397.6067
Fax: 360.696.1847
www.rtc.wa.gov

Whatcom Council of Governments

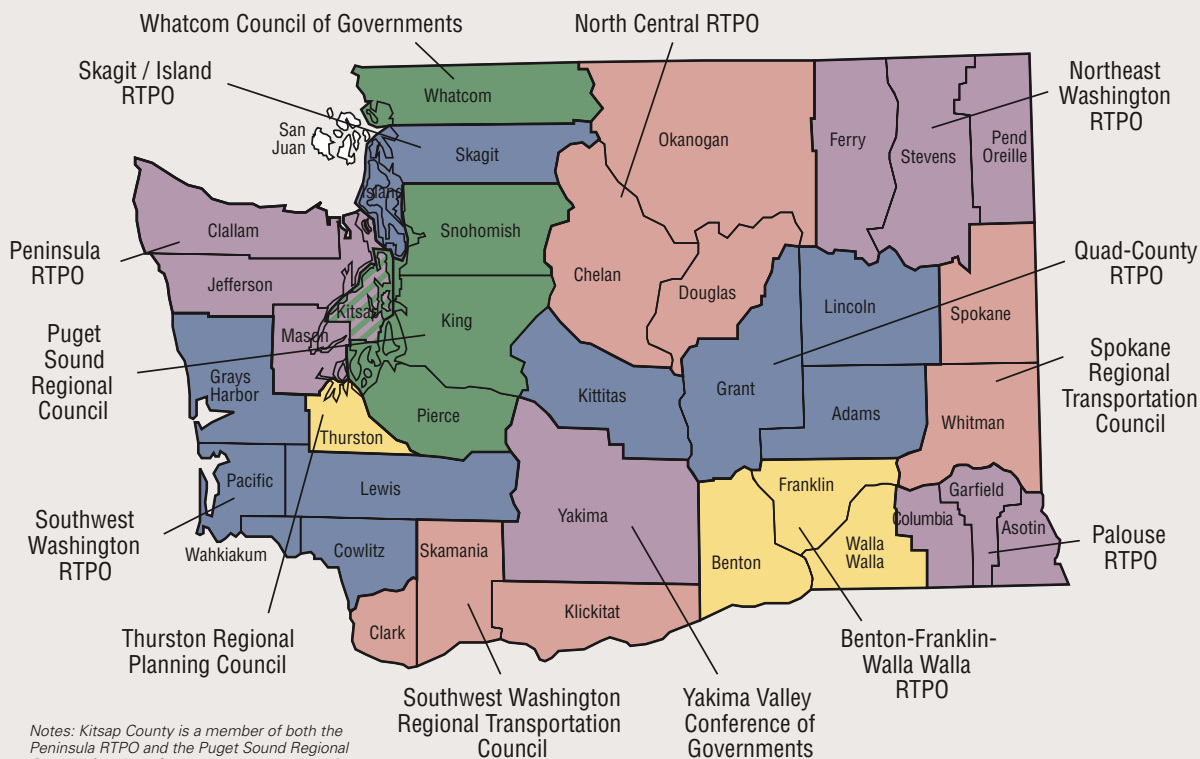
314 E Champion Street
Bellingham, WA 98225
Phone: 360.676.6974
Fax: 360.738.6232
www.wccog.org

Yakima Valley Conference of Government

6 South Second Street, Suite 605
Yakima, WA 98901
Phone: 509.574.1550
Fax: 509.574.1551
www.yvcog.org

Regional Transportation Planning Organizations (RTPOs)

See WSDOT's Planning website for the latest changes to contacts or additions to regional transportation planning organizations: www.wsdot.wa.gov/ppsc/planning/RTPO.htm



Notes: Kitsap County is a member of both the Peninsula RTPO and the Puget Sound Regional Council. San Juan County is not a member of any RTPO.

Benton-Franklin-Walla Walla RTPO

1622 Terminal Drive
P.O. Box 217
Richland, WA 99352-0217
Phone: 509.943.9185
Fax: 509.943.675

Palouse Economic Development Council

NE 1345 Terre View Drive
Pullman, WA 99163
Phone: 509.334.3579
Fax: 509.332.6991
www.palouse.org

Island County Public Works

P.O. Box 5000
Coupeville, WA 98239
Phone: 360.679.7331
Fax: 360.687.4550

Peninsula RTPO

WSDOT Olympic Region (Lead Agency)
PO Box 47440
Tumwater, WA 98504
Phone: 360.357.2600
Fax: 360.357.2601

North Central Transportation Planning Organization (NCRTPO)

1551 North Wenatchee Avenue
Wenatchee, WA 98807
Phone: 509.667.3000
Fax: 509.667.2940
www.wsdot.wa.gov/regions/northcentral/Planning/ncr_rtpo_documents.cfm

Puget Sound Regional Council

1011 Western Avenue, Suite 500
Seattle, WA 98104-1035
Phone: 206.464.7515
Fax: 206.587.4825
www.psrc.org

N.E.W. RTPO (TRICO)

347 W. 2nd, Suite A
Colville, WA 99114
Phone: 509.684.4571
Fax: 509.684.4768

QUADCO

Grant County (Lead Agency)
124 Enterprise Street, SE
Ephrata, WA 98823
Phone: 509.754.6082
Fax: 509.754.6087

Skagit County Conference of Governments

204 Montgomery Street
Mt Vernon, WA 98273
Phone: 360.416.7877
Fax: 360.336.6116

Southwest Washington Regional Transportation Council (SWRTC)

1351 Officers Row
Vancouver, WA 98661-3856
Phone: 360.397.6067
Fax: 360.696.1847

Spokane Regional Transportation RTPO

221 W First Avenue, Suite 310
Spokane, WA 99201-3645
Phone: 509.343.6370
Fax: 509.343.6400
www.srtc.org

Thurston Regional Planning Council (TRPC)

2404 Heritage Court SW #B MS: 0947
Olympia, WA 98502-6031
Phone: 360.786.5480
Fax: 360.754.4413
www.trpc.org

Whatcom Council of Governments (WCOG)

314 E Champion Street
Bellingham, WA 98225-4043
Phone: 360.676.6974
Fax: 360.738.6232
www.wccog.org

Yakima Valley Conference of Governments (YVCOG)

6 South Second Street, Suite 605
Yakima, WA 98901
Phone: 509.574.1550
Fax: 509.574.1551
www.yvcog.org

More Great Resources

A number of other great resources are available to you as you plan, fund, design and construct your project.

Association of Washington Cities (AWC)

AWC's *Transportation Project* is funded through and works closely with WSDOT to identify transportation needs in smaller cities and towns. The Association also provides assistance for transportation planning, commute trip reduction, and information systems management. AWC actively participates on funding, bridge, and design standardss committees to make sure city transportation needs are well-represented in policy-making decisions. The *Transportation Project* connects your street project with state and federal dollars and helps you find the right WSDOT resources for your city. 360.753.4137
www.awcnet.org/transportation.htm

Community Economic Assistance Center (CEAC)

The CEAC works in partnership with communities and organizations to improve economic conditions, stimulate private and public investment, and strengthen economic viability. The CEAC provides financial and technical assistance to help rural communities, distressed urban neighborhoods, downtown business districts, and other targeted areas prepare for desired business and job growth. Technical assistance ranges from practitioner training to project development services. Financial assistance pays for local economic development planning, feasibility analysis, site development, and publicly owned infrastructure.
www.oted.wa.gov/ed/cea

Context Sensitive Design National Website

Context sensitive design (CSD) is a collaborative, interdisciplinary approach that involves all stakeholders to develop a transportation facility that fits its physical setting and preserves scenic, aesthetic, historic, and environmental resources while maintaining safety and mobility. CSD is an approach that considers the total context within which a transportation improvement project will exist. This website contains information from various states as well as national efforts to encourage more community and environmentally sensitive transportation projects.
www.fhwa.dot.gov/csd/index.htm

Federal Highways Traffic Calming Website

As traffic calming needs often differ, techniques include police enforcement and public education only in some areas. In others, it means the employment of speed humps while in others it means the possible use of a wide array of techniques and devices. This web site is dedicated to all the known and electronically publicized transportation programs and studies that pertain to traffic calming. www.fhwa.dot.gov/environment/tcalm/index.htm

Local Government Commission (LGC)

The LGC provides a forum and technical assistance to enhance the ability of local governments to create and sustain healthy environments, healthy economies, and social equity. This California-based organization sponsors an annual nationally acclaimed community development conference every year and maintains an outstanding website-based resource center. www.lgc.org/index.html

Main Street

The national Main Street program is designed to improve all aspects of the downtown or central business district, producing both tangible and intangible benefits. Improving economic management, strengthening public participation, and making downtown a fun place to visit are as critical to Main Street's future as recruiting new businesses, rehabilitating buildings, and expanding parking. Building on downtown's inherent assets—rich architecture, personal service and traditional values and most of all, a sense of place—the Main Street approach has rekindled entrepreneurship, downtown cooperation, and civic concern. Washington State's Mainstreet Program can be found at www.oted.wa.gov/ed/cea/downtown/index.html or by calling 360.725.4056. www.mainstreet.org

National Park Service—Rivers, Trails and Conservation Assistance Program

The Rivers, Trails, and Conservation Assistance Program, also known as the Rivers & Trails Program or RTCA, is a community resource of the National Park Service and works in urban, rural, and suburban communities with the goal of helping communities achieve on-the-ground conservation successes for their projects. They help communities help themselves by providing expertise and experience from around the



▲ The City of Tacoma's remodeled train station.

nation. From urban promenades to trails along abandoned railroad rights-of-way to wildlife corridors, their assistance in greenway efforts is wide ranging. Similarly, their assistance in river conservation spans downtown riverfronts to regional water trails to streams. To find out if your project qualifies, contact the Seattle Office at 206.220.4118.

www.nrc.gov/programs/rtca

Planning for Transportation in Rural Areas

This FHWA document is designed as a resource to rural planners, city and county engineers, stakeholders, local officials, and other decision-makers involved with developing rural transportation plans. It is intended to foster a better understanding of the characteristics, issues, and trends affecting rural transportation systems and the benefits of good rural system planning. It provides approaches and case study profiles for public consultation, environmental review, transit system planning, intelligent transportation system planning, and access management. www.fhwa.dot.gov/planning/rural/planningfortrans/index.html

Urban Land Institute (ULI)

Established in 1947, this Washington, D.C., fee-based service provides the technical expertise of ULI members to cities, private developers, and other organization that need objective analysis and advice on how to solve difficult land use, development, and redevelopment problems. ULI teams approach the project from all perspectives including market potential, land use and design, financing and development strategies, and organizing and implementation. An oral report is presented at the conclusion of the visit, followed by a printed report to the sponsor. 202.624.7000. www.uli.org/DK/uli>Aboutfst.html

Washington Economic Development Association (WEDA)

WEDA is an economic development professionals organization that seeks to stimulate the economic vitality of the state at the local community level. This is accomplished through goals and strategies that (1) promote sound economic development policy on the state level and (2) provide educational and networking opportunities for economic development professionals. 509.777.0525. www.wedaonline.org/weda/membership.htm

Washington State Rural Development Council

In 1988, the National Governors' Association Task Force on Rural Development called for a state-federal partnership to coordinate and leverage available resources to address the unique development problems in small communities and rural areas around the nation. The principles embodied in the task force recommendations became the basis of the National Rural Development Partnership and the State Rural Development Council. 360.943.5151. www.yo-partner.com

Need more help?**Contact:**

Association of Washington Cities,
Transportation Project at 360.753.4137

County Road Administration Board (CRAB) at
360.753.4137

Washington Association of Counties at
360.753.1886

Municipal Research Center at 206.625.1300

Washington State Department of
Community, Trade and Economic
Development at 360.725.4000

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Local Agency Environmental Classification Summary

Part 1 Project Description			
Federal Aid Project Number STPE-6680 (008)	Route	Date Created 9/25/2002	Local Agency Project Number
Agency Orange County - Fictitious Example		Federal Program Title <input checked="" type="checkbox"/> 20.205 <input type="checkbox"/> 20.209 <input type="checkbox"/> Other	
Project Title Kingfisher Road Improvements			
Begin MP 0.54 KP	End MP 2.07 KP	Miles 1.53 KM	Townships 38N Ranges 1E Sections 8 and 9
County Orange	Water Resource Inventory Area (WRIA) No. & Name 13 Deschutes		Within Puget Sound Basin? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Project Description The proposed project will improve a 1.53 mile section of Kingfisher Road on the Sodhi Peninsula. Proposed activities include shoulder widening; resurfacing; relocation of a portion of the roadway and the addition of sidewalks on the east side of the roadway. Proposed activities also include the creation of a stormwater treatment facility at both ends of the project and creation of a 1.35 acre wetland.			

Part 2 Environmental Classification	
NEPA <input type="checkbox"/> Class I - Environmental Impact Statement (EIS) <input checked="" type="checkbox"/> Class II - Categorically Excluded (CE) CE Type (from 23 CFR 771.117) (d)(1) <input checked="" type="checkbox"/> Projects Requiring Documentation (Documented CE) (LAG 24.22) <input type="checkbox"/> Class III - Environmental Assessment (EA)	SEPA <input type="checkbox"/> Categorically exempt per WAC 197-11-800 CE Type (from SEPA Checklist) <input checked="" type="checkbox"/> Determination of Non-Significance (DNS) <input type="checkbox"/> Environmental Impact Statement (EIS) <input type="checkbox"/> Adoption <input type="checkbox"/> Addendum <input type="checkbox"/> Supplemental

NEPA Approval Signatures

 Local Agency Approving Authority

 Date

 Regional Local Programs Engineer / Assistant Secretary

 Date

 Federal Highway Administration

 Date

Completed By (Print Official's Name) Brian Hasselbach	Telephone (include area code) (360) 705-6975	Fax (include area code) (360) 705-6822
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Part 3 Permits and Approvals Required

Yes	No	Permit or Approval	Yes	No	Permit or Approval
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Corps of Engineers <input type="checkbox"/> Sec. 10 <input type="checkbox"/> Sec. 404 <input type="checkbox"/> Nationwide Type _____ <input type="checkbox"/> Individual Permit No. _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shoreline Permit
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Coast Guard Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	State Waste Discharge Permit
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Coastal Zone Management Certification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Section 4(f)/6(f): Wildlife Refuges, Recreation Areas, Historic Properties
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Critical Area Ordinance (CAO) Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SSP and TESC Plans Completed
<input checked="" type="checkbox"/>	<input type="checkbox"/>	ESA and EFH Compliance (See Part 5)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Rights Permit
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Flood Plain Development Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Quality Certification - Sec. 401 Issued by _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Forest Practice Act Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Tribal Permit(s), (If any) _____ _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hydraulic Project Approval	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Permits, including GMA (List): _____ _____ _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Local Building or Site Development Permits			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Local Clearing and Grading Permit			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Natl. Historic Preservation Act - Section 106			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	National Pollutant Discharge Elimination System (NPDES) Baseline General for Construction			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	ROW Acquisition Required			

Part 4 Environmental Considerations

Will the project involve work in or affect any of the following? Identify proposed mitigation. Attach additional pages or supplemental information if necessary.

1. Air Quality - Identify any anticipated air quality issues.

Is the project included in the Metropolitan Transportation Plan? ☒ Yes ☐ No

If Yes, date Metropolitan Transportation Plan was adopted. 6/10/01

Is the project located in an Air Quality Non-Attainment Area or Maintenance Area (for carbon monoxide, ozone, or PM10)? ☒ Yes ☐ No

Is the project exempt from Air Quality conformity requirements? ☒ Yes ☐ No (If Yes, identify exemption below.)

(In printed version, some text is hidden - see example text in directions)

(Example text if "yes"): Exempt from local hot spot analysis, per 40 CFR 93.126 - construction of bicycle and pedestrian facilities. (click to see hidden text if using filemaker pro)

2. Critical/Sensitive Areas - Identify any known Critical or Sensitive Areas as designated by local Growth Management Act ordinances.

- a. Aquifer Recharge Area, Wellhead Protection Area, or Sole Source Aquifer. If located within a sole source aquifer, is project exempt from EPA approval? ☒ Yes ☐ No

(In printed version, some text is hidden - see example text in directions)

(Example text, if "yes"): Project is located within the Central Pierce County Sole Source Aquifer, but

- b. Geologically Hazardous Area

Chronic slide area located approximately one half mile from the proposed project.

- c. Habitat. List known fish and wildlife species present and describe general habitat.

The Loris River is located 500 feet from the project and supports chinook, bull trout and carp. Project is surrounded by a mix of residential, commercial and riparian forest. A bald eagle nest is located approximately 800 feet from the proposed project.

- d. Are wetlands present within the project area? ☒ Yes ☐ No If Yes, estimated area of impact in acre(s): 1.2

(In printed version, some text is hidden - see example text in directions)

Project will impact 1.2 acres of existing wetlands. A proposed mitigation plan has been prepared and the

Part 4 Environmental Considerations - Continued**3. Cultural Resources/Historic Structures** - Identify any historic, archaeological, or cultural resources present with the project's area of potential effects.Does the project fit into any of the exempt types of projects listed in Sect. 24.82(a) of the LAG Manual? ☒ Yes ☐ NoIf **Yes**, note exemption below.

Project is exempt per item M, in section 24.8 of the LAG manual.

If **No**: Date of OAHP consultation 8/24/02Date of Tribal consultation(s) (if applicable) 8/26/02Adverse affects on cultural/historic resources? ☒ Yes ☐ NoIf Yes, date of approved Section 106 MOA 8/24/02

A copy of the completed MOA and all correspondence with and from OAHP and interested Tribes, are attached.

4. Flood Plains or WaysIs the project located in a 100-year flood plain? ☒ Yes ☐ NoIf yes, is the project located in a 100-year floodway? ☐ Yes ☒ NoWill the project impact a 100-year flood plain? ☐ Yes ☒ No (If Yes, describe impacts and analysis conducted.)

(if no - no additional information is needed)

(if yes, determine if the project will cause a significant encroachment, as defined by 23 CFR 650 Part A. If there is a significant encroachment, the FHWA cannot approve unless it is the only practicable alternative, per 23 CFR 650.113)

5. Hazardous and Problem Waste - Identify potential sources and type.Is the project likely to involve site clean-up? ☒ Yes ☐ No

The ASARCO Tacoma Smelter Superfund site is located in the vicinity of the project site. Fallout of air contaminants from smelting activities has blanketed the project site and vicinity. Evidence of slag at the site was observed during preliminary field investigations. Site cleanup activities are on-going.

Will the project create any hazardous waste? ☒ Yes ☐ No (If Yes, describe waste handling and disposal.)

As part of the Superfund cleanup, ASARCO will accept and dispose of all excavated soils from this project. A copy of the clean up plan prepared by ASARCO is attached.

6. Noise - Identify potential sensitive receptors or previous mitigation commitments. Briefly describe your impacts to the sensitive receptor, if present.

(In printed version, some text is hidden - see example text in directions)

Sensitive noise receptors for this project include three residences, located approximately 100 feet from the proposed project. The proposed project will result in both temporary and long-term increases to the existing noise levels in this area. A noise analysis was conducted and is attached. The study determined that impacts will

7. Parks, Recreation Areas, Wildlife Refuges, Historic Properties, or Scenic Rivers/Byways, 4(f)/6(f) Lands - Identify any properties within the project limits and, if any are present, describe impacts to properties present.

The Waits City Park is located adjacent to the proposed project. The Bigelow House, listed on the National Register for Historic Places, will be impacted as a result of the project. An individual Section 4(f) evaluation was prepared to address the impacts of the proposed project on both Waits Park and the Bigelow House and is attached. FHWA approved the individual Section 4(f) evaluation on 7/23/02.

Part 4 Environmental Considerations - Continued

8. Resource Lands - Identify any of the following resource lands within 300 feet of the project limits and those otherwise impacted by the project. Describe any impacts to any resource lands identified.

a. Agricultural

Project will require the conversion of 0.65 acre of agricultural land. The land is considered to be prime and unique farmland and a copy of the United State Department of Agriculture approval is attached.

If present, is resource considered to be prime and unique farmland?

☒ Yes ☐ No

If Yes, date of approval from US Forest Service, Dept. of Agriculture.

8/13/02

b. Forest/Timber

Mature forest stands surround the project area. Project will result in the removal of 6-8 trees, all approximately 48" dbh.

c. Mineral

No mineral deposits are present within the proposed project area.

9. Rivers, Streams (Continuous, Intermittent), or Tidal Waters

a. Identify all waterbodies within 300 feet of the project limits or that will otherwise be impacted.

Fisheries WA Stream No. _____

Ecology 303d Report No. _____

MU96PG

Reason for 303d listing _____

Temperature _____

Date of Report 6/2/98

b. Identify stream crossing structures by type.

There is a culvert crossing located on Lupis Creek, which is a tributary to the Loris River.

10. Tribal Lands - Identify.

The proposed project is located within Suquamish Tribal land. Discussions and coordination has occurred with the Suquamish Tribe, in order to ensure their comfort level with the proposed project. Copies of the correspondence and approval from the Tribe, are attached.

11. Visual Quality

Will the project impact roadside classification or visual aspects? ☐ Yes ☒ No (If Yes, identify the impacts.)
(example text if yes)

The Bigelow House, noted above, will be visually impacted by this project.

Part 4 Environmental Considerations - Continued

12. Water Quality/Storm Water

Has NPDES municipal general permit been issued for this WRIA? ☒ Yes ☐ No

Amount of existing impervious surface within project limits: 23,186 square feet

Net new impervious surface to be created as a result of project: 5,234 square feet

Existing water quality/quantity treatment for existing impervious surface? ☐ Yes ☒ No

Describe proposed water quality/quantity treatment for new and any existing impervious surface upon completion of project.

As part of the proposed project, stormwater treatment facilities will be constructed, consisting of construction of a curb and gutter system and bioswale. Runoff from 140% of the new impervious surface will be collected via the curb system and will be discharged to a bioswale at the western end of the roadway. The bioswale will provide treatment of the runoff, prior to its infiltration into the ground.

13. Previous Environmental Commitments

Have previous environmental commitments been made in the project area? ☒ Yes ☐ No

Describe commitments. If commitments are a result of permit conditions, identify issuing agency, permit number and date, and how commitments will be met.

As part of previous improvement work to State Avenue (in 1998), a wetland mitigation site was created. The mitigation work was a requirement of the Corps of Engineers, as a result of the 1998 project's filling of 1.2 acres of wetlands. The city is committed to maintaining the mitigation site, through regular maintenance of the facility and re-planting, as necessary.

14. Long-Term Maintenance Commitments

Are long-term maintenance commitments necessary for this project? ☒ Yes ☐ No

Identify.

City maintenance staff will maintain the new trail and trailhead.

15. Environmental Justice

Are minority and/or low income communities impacted by the project? ☐ Yes ☒ No (If Yes, identify the impacts.)

(In printed version, some text is hidden - see example text in directions)

Ten out of the seventy businesses and/or residences that this project will require strip takes of right of way from, are minority and/or low income. However, the number is not disproportionate in comparison to the overall number of residences and/or businesses that will require strip takes of right of way and equal impacts will occur to businesses and residences on both sides of the roadway.

The city conducted a public hearing/open house on November 13, 2003 to discuss the project; seek input and provide information. Announcements of the opportunities occurred in both English and non-English publications and translators were present at all public hearings and open houses.

Part 5 Biological Assessment and EFH Evaluations

Answer **ALL** questions. Refer to the Part 5 Biological Assessment Checklist Instructions before completing this section.

Permits

1. Are any of the following environmental permits, as indicated in Part 2, required: HPA, 404 wetlands, or local clearing and grading, shorelines, or permits related to critical or sensitive areas ordinances? ☒ Yes ☐ No

Location

	2. Will any construction work occur within 0.5 miles of any of the following:	3. Does the project involve blasting, pile driving, concrete sawing, rock drilling, or rock scaling activities within 1 mile of any of the following?
Bald eagle nesting territories, winter concentration areas, or bald eagle communal roosts?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know
Spotted owl management circles or designated critical habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know
Marbled murrelet nest or occupied stand, or designated critical habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know
Western snowy plover designated critical habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know
Federal threatened, endangered, proposed, or candidate plant species locations or documented habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know
Canada lynx habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know
Gray wolf habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know
Grizzly bear habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know
Brown pelican night roosts?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know
Woodland caribou habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know
A mature coniferous or mixed forest stand?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know

4. Will any construction work occur within 300 feet of Puget Sound, Strait of Juan de Fuca, or the Pacific Ocean? ☐ Yes ☒ No
5. Will any construction work occur within 300 feet of any permanent or intermittent waterbody, **which supports or drains into a listed fish supporting waterbody**? ☒ Yes ☐ No ☐ Don't Know
6. Will any construction work occur within 300 feet of any wetland, pond, or lake that is connected to **any** permanent or intermittent waterbody? ☐ Yes ☒ No ☐ Don't Know
7. Does the action have the potential to directly or indirectly impact designated critical habitat for salmonids (including adjacent riparian zones)? ☐ Yes ☒ No ☐ Don't Know

Stormwater

8. Does the project create **any** new impervious surface area? If yes, go to 8a. ☒ Yes ☐ No
- 8a. Will post-project stormwater treatment infiltrate, with pretreatment, all new impervious surface area; OR will stormwater treatment facility treat 140% times the area of new impervious surface area? ☒ Yes ☐ No ☐ Don't Know

Construction Activities

9. Will any construction waste materials (e.g., asphalt or concrete grindings or byproducts, construction-related chemicals, fill materials, or excavated materials) from the project be disposed of at a location other than a permitted disposal site? ☐ Yes ☒ No ☐ Don't Know
10. Will the project involve any in-water work? ☐ Yes ☒ No ☐ Don't Know
11. Will the project effect the water regime of, or utilize any water from a waterbody, which supports or drains into a listed fish supporting waterbody; or any wetland, pond, or lake? ☐ Yes ☒ No ☐ Don't Know
12. Will construction work occur outside the existing pavement? If Yes, go to 12a. ☒ Yes ☐ No
- 12a. Will construction activities occurring outside the existing pavement involve clearing, grading, filling, or modifications of vegetation or tree cutting? ☒ Yes ☐ No

Determination

If all the above questions were marked No (with the exception of Question 8a.), or if any of the above items were checked Yes or Don't know, but an adequate justification has been provided to support a no effect determination, then check **No Effect**. If any of the above items were checked Yes or Don't Know (with the exception of Question 8a.), a biologist is required to conduct a review and evaluate the project; complete the section 7 consultation process per section 24.7 of the LAG manual. Note: If a biologist is required to conduct a review and evaluate the project, this does not preclude a no effect determination.

- ☐ **No Effect** (The proposed project will have no effect on Federally listed or proposed species, and the proposed project will not result in the destruction or adverse modification of designated or proposed critical habitat).

	NMFS	USFWS
<input checked="" type="checkbox"/> NLTA Date of Concurrence	8/13/02	7/22/02
<input type="checkbox"/> LTAA Date BO Issued		
Date of First 6 Mo. Update	2/13/03	1/22/03

Essential Fish Habitat Determination:

- ☐ No Effect
- ☒ Adverse Effect. Date of NMFS Concurrence 8/13/02

Analysis for No Effects Determination (Required if any item in Section 5 was checked Yes).

Proposed project involves the construction of a pedestrian walkway and bicycle pathway along Jackson Ave., from A St. to B St. Existing conditions include a narrow and uneven path that currently weaves along Jackson Ave. There will be no effect due to (describe why there is no effect).

There is one bald eagle nest within a half mile of the proposed trail. Noise is unlikely to increase during construction, as the pathway is adjacent to an existing high-use road and a hospital's helicopter pad. Disturbance after construction will not increase upon existing levels, as the trail currently functions as an informal, unpaved pathway. Work windows for nesting eagles will also be adhered to, in order to ensure no impacts occur. Also, work will occur within 0.5 miles of a mature forest but no trees will be removed.

Construction will occur outside of the existing paved roadway and will require some minor clearing and grading. Grading and clearing will be minor as an existing un-paved pathway is currently in place. Clearing will consist of removal of minor amounts of grasses and non-native vegetation.

The project will result in an increase of impervious surface. However, existing vegetation adjacent to the pathway, will be used to provide pre-treatment of created runoff, prior to infiltration.

Part 6 FHWA Comments

Use Supplement Sheet if additional space is required to complete this section.



◀ This project on Galer Street, in Seattle, involved construction of a new flyover structure, which included accommodations for trail users as well as artwork.



▶ The rope patterns represent the project's close proximity to the nearby waterfront. The tires represent commerce.

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